CHICAGO ROCKS! GEOLOGY in the CITY *SPRING, 2007*

ESCI 109 Section 01 *class meetings:* T, R 12:15 *PM* - 1:30 *PM*
Section 02 *class meetings:* T, R 2:50 *PM* - 4:05 *PM*

Required texts:
- excerpts from Gardner and Jewler; *The Essential College Experience* (6th edition; 2006); NEIU edition
- Chrzastowski; "Chicagoland: Geology and the Making of a Metropolis. Field excursion for the 2005 annual meeting Association of American State Geologists, June 15, 2005" (Illinois State Geological Survey, OFS 2005-9)
- a Chicago area street map

Additional references will be made available to students in class ***or*** on reserve in the library
course website: http://www.neiu.edu/~jmhemzac/courses/109.htm

Course Overview:
This course is specifically designed for first year students, to fulfill a natural science requirement of the NEIU General Education program. The course objectives cover specific content of earth science, with a focus on the local geology of Chicago. Integrated with this geology content are course elements to develop student skills necessary to succeed in college. The course is team-taught by two instructors, both of whom use a hands-on, interactive approach to learning.

Instructors:	Dr. Laura Sanders	Jean Hemzacek Laukant	
Office:	S 142	S 140	
Phone:	773-442-6051	773-442-6056	
Hours:	MW 1:30-2:00, 3:50-4:20 pm TR 4:05-4:35, 6:55-7:25 pm	M 3:00- 4:00 pm T, W 10:45-noon	R 1:30-2:30 pm
e-mail:	L-Sanders(AT)neiu.edu	J-Hemzacek(AT)neiu.edu	

Course Objectives
Upon successful completion of this course, you will be able to:
1. Correlate specific types of earth materials, including the *bedrock* and *surficial deposits* of the region and *resources* used in Chicago, to their geologic origins (environments and major geologic forces involved).
2. Analyze the impact of past glacial processes on the geologic deposits and landscape of Chicago.
3. Interpret the changes to the landscape effected by stream, lake, and coastal processes; predict continuing/ future changes from these forces.
4. Evaluate the impact of geologic factors on human activities (including water and waste management, stormwater and sewage treatment/control, construction, and energy use) in Chicago.
5. Analyze map evidence to interpret basic topographic, geologic, and hydrologic features and processes of Chicago.
6. In addition, student outcomes with respect to *future planning, academic skills, self-discovery*, and *transitions* are listed in the ***Freshman Colloquium Course Matrix*** (available on the course webpage).

Course Grading
Major course components include two exams; one final exercise; homework, in-class exercises, and quizzes; an individual term paper; and a group project *[details on term projects will be provided in separate document]*.
There are NO *make-up exams / quizzes;* NO *late assignments will be accepted; missed work earns a zero.*

The final course grade will be calculated as follows:	
Scheduled exams (2)	30 %
Homework/ in-class work	25 %
Final exercise	10 %
Group term project	15 %
Individual term paper	10 %
Attendance/participation	10 %

All course requirements must be completed to pass the course. The grading scale is as follows:

A 100-90%;
B 89-80%;
C 79-70%;
D 69-60%;
F 59% and lower.

The final date to drop the course, as per University policy, is Friday, 30 March.